



NATIONAL FACTS ABOUT CAREER AND TECHNICAL EDUCATION

- The Association for Career and Technical Education (ACTE) represents approximately 27,000 teachers, administrators, educators, and counselors involved in Career and Technical Education across the U.S. and abroad.
- There are 14.4 million secondary and postsecondary Career and Technical Education students in the U.S. Career and Technical Education is offered in middle school, high schools, two-year community and technical colleges and other postsecondary schools.
- Career and Technical Education has a wide range of Career Pathways including: Horticulture Science, Natural Resources Sciences, Accounting and Finance, Business Management, Child Development, Culinary Arts, Biotechnology, Nursing, Digital Media, Web Development, Marketing Management, Sales and Service Marketing, Carpentry, Automotive Service Technician, Welding, Firefighting, and Engineering.
- Career and Technical Education prepares both youth and adults for a wide range of careers that may require varying levels of education--from high school to postsecondary certificates to two- and four-year college degrees.
- Healthcare occupations are expected to make up seven of the 20 fastest growing occupations by the year 2030.
- The American Solar Energy Society and Management Information Services, Inc. published a 2009 report that forecasts the renewable energy and energy efficiency industry could generate up to \$4.3 trillion in revenue and create more than 37 million jobs (more than 17 percent of all anticipated U.S. employment) by the year 2030.
- According to the U.S. Department of Education's Office of Vocational and Adult Education (OVAE), nationally almost all high school students take at least one CTE course and one in four students take three or more courses in a single program area.
- In Utah, as part of the high school graduation requirement students are required to take one credit of CTE.
- One-third of college students are involved in CTE programs, and as many as 40 million adults engage in short-term postsecondary occupational training.
- According to the Bureau of Labor Statistics (BLS), of the 20 fastest growing occupations, 10 require an associate degree or less. Furthermore, of the 20 occupations with the largest numbers of new jobs projected for 2018, 13 require on-the-job training or an associate degree.
- A person with a CTE-related associate degree or credential will earn an average of \$5,000 to \$15,000 more a year than a person with a humanities or social sciences associate degree—and those with credentials in high-demand fields such as healthcare can average almost \$20,000 more a year.
- CTE students are significantly more likely than their non-CTE counterparts to report that they developed problem-solving, project completion, research, math, college application, work-related, communication, time management, and critical thinking skills during high school.

- According to the BLS, employment in the information sector is expected to increase by 4 percent, adding 118,100 jobs by the year 2018. Data processing, hosting, and related services industry, which is expected to grow by 53 percent, includes establishments that provide Web and application hosting and streaming services. Internet publishing and broadcasting is expected to grow rapidly as it gains market share from newspapers and other more traditional media. Software publishing is projected to grow by 30 percent as organizations of all types continue to adopt the newest software products.
- According to the BLS, about 26 percent of all new jobs created in the U.S. economy will be in the healthcare and social assistance industry. This industry—which includes public and private hospitals, nursing and residential care facilities, and individual and family services—is expected to grow by 24 percent, or 4 million new jobs.
- According to the American Association of Community Colleges, community colleges enrolled 11.8 million students nationwide, about 45 percent of all U.S. undergraduates.
- Nationwide, 59 percent of nurses and a majority of other new health care workers attend community colleges, along with about 80 percent of firefighters, law enforcement officers and emergency medical technicians.
- A recent study by production equipment providers Advanced Technology Services, in association with ACNelson, projects that 40 percent of the skilled industrial labor force will retire in the next five years, at an estimated cost of more than \$100 million each to the largest U.S. and manufacturing firms.
- Skilled professions offer some of the best opportunities in the country. Nationwide, there are at least 450,000 openings for skilled labor.

For more information about Career and Technical Education, visit ACTEonline.org and UtahCTE.org.

